

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property Organization
International Bureau**



(43) International Publication Date
13 May 2004 (13.05.2004)

PCT

(10) International Publication Number
WO 2004/039553 A1

(51) International Patent Classification⁷: B29C 31/04,
43/34

[IT/IT]; Via 2 Agosto 1980, 8, I-40023 Castel Guelfo (IT).
PARRINELLO, Fiorenzo [IT/IT]; Via Zanardi, 122/A,
I-40059 Medicina (IT).

(21) International Application Number: PCT/EP2003/004214

(74) Agent: **MODIANO, Guido**; Modiano & Associati, Via Meravigli, 16, I-20123 Milano (IT).

(22) International Filing Date: 23 April 2003 (23.04.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,

(25) Filing Language: English

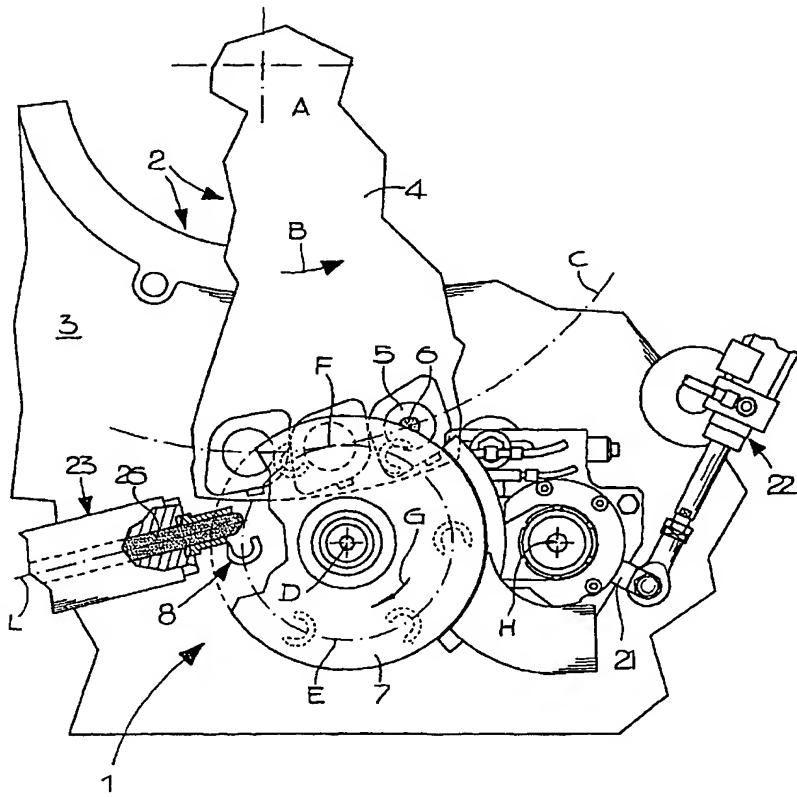
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English
(27) Priority Data: BO2002A000683 31 October 2002 (31.10.2002) IT

(84) **Designated States (regional):** ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: DEVICE FOR REMOVING DOSES OF PLASTIC MATERIAL FROM AN EXTRUDER



(57) Abstract: A device for removing doses of plastic material from the outflow orifice of an extruder (23) by means of at least one removal element (8) movable with respect to the extruder and provided with a receptacle (15) for a dose (6) removed from the orifice, the removal element (8) comprising a severing element (14) adapted to cut into the plastic material dispensed by the extruder (23) along a severing edge (14a) advancing through the material to from one side of the orifice (24b) to the other, the receptacle (15) being shaped so as to accommodate the dose (6) and allow its expulsion substantially in the direction of the severing edge (14a).



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*